

B & K Model 415 Parts List

488-084-9-004P

SCHEMATIC SYMBOL

DESCRIPTION

B & K PART No.

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RESISTORS & CONTROLS

R-64	100KΩ Trimpot	008-164-9-001
R-69	5KΩ Trimpot	008-087-9-001
R-99	1 megΩ Trimpot	008-069-9-001
R-202	10KΩ Trimpot	008-058-9-001
R-328	5KΩ Trimpot	008-057-9-001
R-324	100Ω, 5W, 10% W.W. Resistor	003-005-6-101
R-337	1.5KΩ MARKER AMP. Control	008-092-9-001
R-340	1 megΩ SWEEP WIDTH Control	008-086-9-001
R-350	10KΩ IF-RF-VIDEO ATTENUATOR Control	008-157-9-001
R-505	w/DPDT Switch	009-023-9-001
R-512	5KΩ W.W. 50V BIAS Control	039-022-9-001
R-515	1.5KΩ W.W. 25V BIAS Control	

CAPACITORS & TRIMMERS

C-2	2-20 pfd Trimmer Capacitor	028-001-9-001
C-52	10, μfd, 25 Volt Tantalum Capacitor	027-001-9-005
C-55		
C-58		
C-60		
C-62	15 μfd, 20 Volt Tantalum Capacitor	027-001-9-003
C-63		
C-66	47, μfd, 6 Volt Tantalum Capacitor	027-001-9-004
C-70		
C-72	10 μfd, 25 Volt Tantalum Capacitor	027-001-9-005
C-74	47 μfd, 6 Volt Tantalum Capacitor	027-001-9-004
C-345		
C-346	50 μfd, 75 Volt P.C. Electrolytic Capacitor	022-038-9-001
C-347		
C-348	10 μfd, 25 Volt Tantalum Capacitor	027-001-9-005
C-349	47 μfd, 6 Volt Tantalum Capacitor	027-001-9-004
C-357	15 pfd, 200 Volt, 5% NPO Tubular Capacitor	032-002-9-001
C-358	6.8 pfd, 200 Volt, 5% NPO Tubular Capacitor	032-001-9-001
C-406	10 μfd, 25 Volt, Tantalum Capacitor	027-001-9-005
C-517	3 Section Electrolytic Capacitor	021-032-9-001

COILS-CHOKES-TRANSFORMERS

L-1 thru	Inductor, Variable (Green)	044-017-9-001
L-11		
L-12	50 millihenry Choke	041-033-9-001
L201A	44 MHz Coil (Uses Tuning Core 870-005-9-001)	041-041-9-001
L201B	10.7 MHz Coil (Uses Tuning Core 870-005-9-001)	041-043-9-001
L-301	Inductor, Variable (Violet)	044-016-9-001
L-302	Inductor, Variable (Red)	044-013-9-001
L-303		
L-304		
L-305	Inductor, Variable (Violet)	044-016-9-001
L-306		
L-307	Inductor, Variable (Red)	044-013-9-001
L-308	1 millihenry Coil, Variable	044-011-9-001
L-401		
L-402	3.9 microhenry Coil	041-036-9-001
L-403		
L-404	Inductor, Variable (Green)	044-017-9-001
L-501	33 microhenry Coil	041-001-9-016
CH-201	10 microhenry R.F. Choke	041-001-9-023
CH-202		
CH-501	R.F. Filter Choke	041-034-9-001
CH-502		
T-501	Power Transformer, 117 Volt Pri.	035-055-9-001
	Power Transformer, 234 Volt Pri.	065-055-9-002

DIODES & TRANSISTORS

D-1 thru	Diode, Silicon	151-015-9-001
D-5		
D-201	Diode, Varactor	153-001-9-001
D-202		
D-301	Diode, Silicon	151-015-9-001
D-302		
D-303 thru	Diode, Silicon 1 amp 600 Volt	151-018-9-001
D-307		
D-308	Zener Diode, 27 Volt, 1 Watt, 5%	152-011-9-001
D-309		
D-310	Zener Diode, 14 Volt, 1 watt 5%	152-007-9-001
D-311		
D-312	Diode, Silicon, 1 amp, 600 Volt	151-018-9-001
D-313		
D-401	Diode, Silicon	151-014-9-001
D-402	Diode, Silicon	151-015-9-001
D-403		
D-501	Diode, Silicon	151-015-9-001
D-502		
D-503		
Q-1 thru	Transistor, NPN Silicon Signal (Yellow Dot)	176-005-9-001
Q-11		

DIODES & TRANSISTORS

Q-12	Transistor, NPN Silicon Signal (Green Dot)	176-006-9-001
Q-13		
Q-14	Transistor, NPN Silicon Signal	176-010-9-001
Q-15		
Q-16	Transistor, NPN Silicon Signal (Yellow Dot)	173-007-9-001
Q-17		
Q-18	Transistor, NPN Silicon Signal (Blue Dot)	176-008-9-001
Q-19		
Q-20	Transistor, Field Effect (MPF-105/2N5459)	182-003-9-001
Q-201	Transistor, Field Effect (MPF-104/2N5458)	182-010-9-001
Q-202	Transistor, NPN Silicon Signal (1 Green, 1 Violet Dot)	176-032-9-001
Q-203	Transistor, Field Effect (RCA 40458)	182-004-9-001
Q-204	Transistor, NPN Silicon Signal (Yellow Dot)	176-005-9-001
Q-301	Transistor, Field Effect (RCA 40468)	182-004-9-001
Q-302		
Q-303	Transistor, NPN Silicon Signal (2N5127)	176-012-9-001
Q-304		
Q-305	Transistor, NPN Silicon Signal (Yellow Dot)	176-005-9-001
Q-306		
Q-307	Transistor, Field Effect (MPF122)	182-023-9-001
Q-308	Transistor, NPN Silicon Signal (Blue Dot)	176-008-9-001
Q-309	Transistor, NPN Silicon Power (GE-D28A5)	172-005-9-001
Q-401	Transistor, NPN Silicon Signal (Yellow Dot)	176-005-9-001
Q-402		
Q-501	Transistor, NPN Silicon Power	172-004-9-001
Q-502	Transistor, PNP Germanium Power	171-013-9-001
Q-601	Transistor, NPN Silicon	176-005-9-001

SWITCHES

S-501 thru	Switch, Slide, D.P.D.T.	084-014-9-001
S-520		
S-521	7 Pos. FUNCTION Switch	083-079-9-001
S-522	2 Pos. CHROMA Switch	083-120-9-001

LAMPS

P-501 thru	Neon Lamp w/100KΩ Resistor	401-001-9-002
P-512		
P-513	Neon Lamp NE-2L	401-002-9-001

CRYSTALS

X-2	Crystal, 39.75 MHz (2 Brown Dots)	112-002-9-001
X-3	Crystal, 41.25 MHz (2 Red Dots)	112-002-9-002
X-4	Crystal, 41.67 MHz (2 Orange Dots)	112-002-9-003
X-5	Crystal, 42.17 MHz (2 Yellow Dots)	112-002-9-004
X-6	Crystal, 42.67 MHz (2 Green Dots)	112-002-9-005
X-7	Crystal, 42.75 MHz (2 Blue Dots)	112-002-9-006
X-8	Crystal, 44.00 MHz (1 Brown, 1 Gray Dot)	112-002-9-018
X-9	Crystal, 45.00 MHz (2 Violet Dots)	112-002-9-007
X-10	Crystal, 45.75 MHz (2 White Dots)	112-002-9-009
X-11	Crystal, 47.25 MHz (2 Black Dots)	112-002-9-010
X-301	Crystal, 56.5 MHz (1 Brown, 1 Blue Dot)	112-002-9-016
X-302	Crystal, 119.5 MHz (1 Brown, 1 Violet Dot)	112-002-9-017
X-303	Crystal, 10.7 MHz (1 Brown, 1 Orange Dot)	112-002-9-013
X-401	Crystal, 45.75 MHz (2 White Dots)	112-002-9-009

KNOBS & GLAMOR CAPS

Knobs	751-040-9-001
Caps, Molded	384-008-9-001

PROBES-CABLES-TEST LEADS

Probe, Demodulator	PR-151
Cable, Terminated R.F. (75Ω/300Ω)	TP-41
Red Test Lead	522-035-9-001
Black Test Lead	522-036-9-001
Cable, Mike Connector on One End, 10KΩ Series Resistor w/Alligator Clips on Other End	522-043-9-001
Cable, Mike Connector on One End, Banana Plugs on Other End	522-044-9-001

MISCELLANEOUS

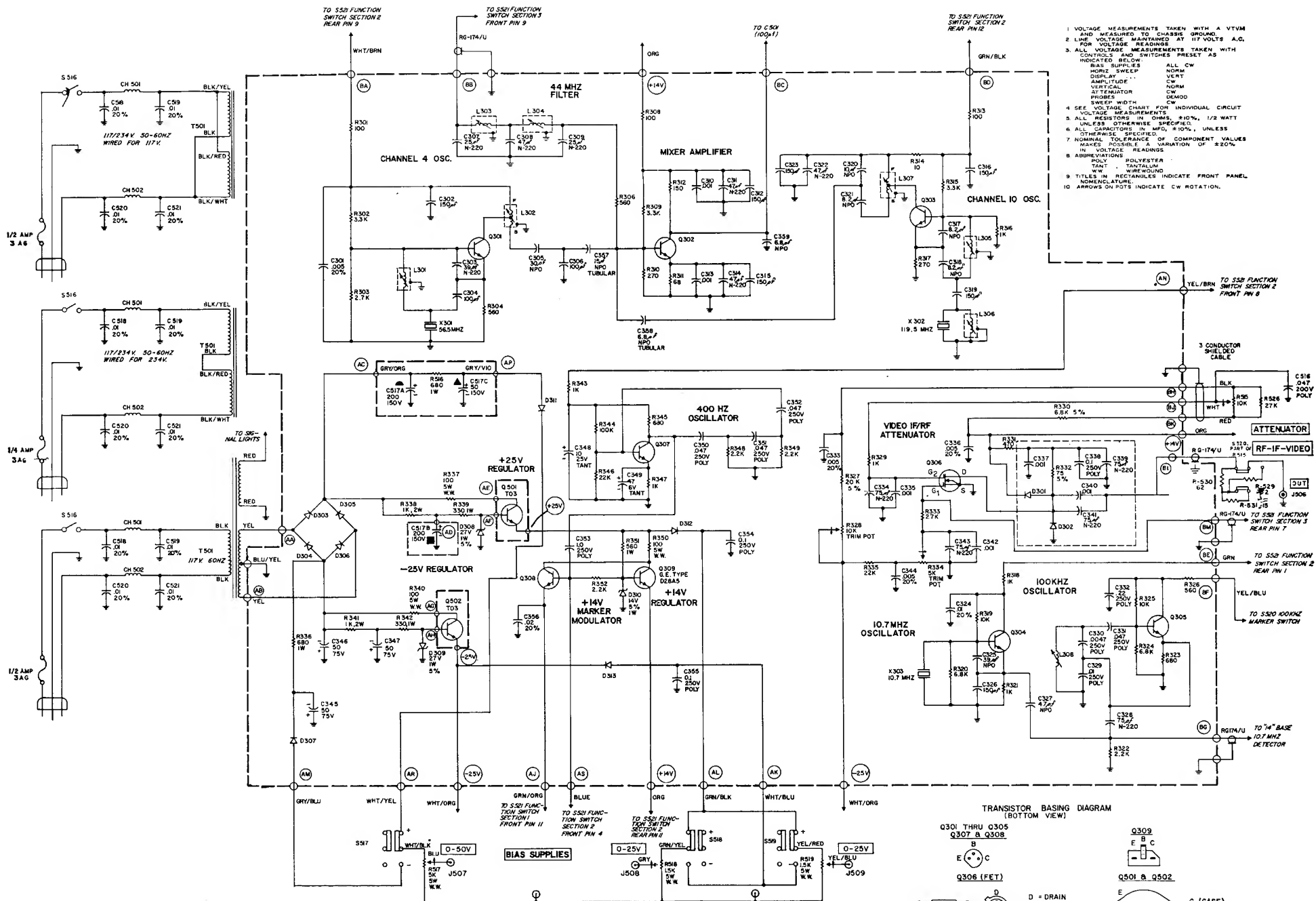
Case, Back	272-057-9-903
Case, Top	272-058-9-903
Case, Bottom	272-059-9-903
Case, Left	272-060-9-903
Case, Right	272-061-9-903
Fuse Holder Complete	742-001-9-805
Fuse, 1/2 amp, 250 Volt, 3AG	191-251-3-102
Rubber Feet	531-002-9-001
Line Cord, 3 Wire w/Molded Plug	420-013-9-001
Panel Connector	772-001-9-001
BNC Connector	772-024-9-001
Instruction Manual	480-096-9-001
Carton	500-157-9-001
Filler, Top & Bottom (2 required)	503-033-9-001
Filler, Sides (2 required)	503-034-9-001

Note: Standard value resistors and capacitors are not listed.

Values may be obtained from schematic diagram.

Minimum charge \$2.00 per invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover postage or express charges.

COMPOSITE
499-005-9-0015



1. VOLTAGE MEASUREMENTS TAKEN WITH A VTVM AND MEASURED TO CHASSIS GROUND.
2. LINE VOLTAGE MAINTAINED AT 117 VOLTS A.C. FOR VOLTAGE READINGS.
3. ALL VOLTAGE MEASUREMENTS TAKEN WITH CONTROLS AND SWITCHES PRESET AS INDICATED BELOW.
4. SEE VOLTAGE CHART FOR INDIVIDUAL CIRCUIT VOLTAGE MEASUREMENTS.
5. ALL RESISTORS IN OHMS, $\pm 10\%$, 1/2 WATT UNLESS OTHERWISE SPECIFIED.
6. ALL CAPACITORS IN MFD, $\pm 10\%$, UNLESS OTHERWISE SPECIFIED.
7. NOMINAL TOLERANCE OF COMPONENT VALUES MAY BE POSSIBLE A VARIATION OF $\pm 20\%$ IN VOLTAGE READINGS.
8. ABBREVIATIONS: POLY = POLYESTER, TANT = TANTALUM, W = WIRE WOUND, W.G. = WIRE GROUND.
9. TITLES IN RECTANGLES INDICATE FRONT PANEL NOMENCLATURE.
10. ARROWS ON POTS INDICATE CW ROTATION.

